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# Agricultural Libraries Information Notes



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photo: Keith Russell

One of the general sessions of the IAALD World Congress in the Hotel Agro, Budapest, Hungary, at the end of May.

## IAALD VIII WORLD CONGRESS HELD IN BUDAPEST, HUNGARY

by Douglas Jones  
Assistant Head, Science-Engineering Library  
University of Arizona

The International Association of Agricultural Librarians and Documentalist (IAALD) World Congress, held during 28-31 May 1990, was hosted by AGROINFORM, the agricultural information service of Hungary. IAALD has as its primary objectives the promotion and advancement of public education and information transfer in agricultural development and production. Attending the conference were 150 members from 47 countries who shared not only a rich and varied conference program but also the rich and varied experiences to be had in Budapest. An ancient city bustling with modernity, its shelves filled with goods and streets with cars and busses suggested relative prosperity. The changing political climate was evident in a variety of ways including basic changes in the Hungarian publishing industry and the fact that Hungary is the first East European country to join CAB International.

Addressing the conference theme, "Information and the End User,"

### Also in this issue...

- USAIN Update, pp. 8-9
- NAL Exhibits at ALA (photos), p. 7, 24
- Capitol Columns at U.S. National Arboretum, pp. 10-13
- New NAL Publications, pp. 14-15
- List of Key NAL Personnel and Services, pp. 22-23
- Visitors, pp. 16-17
- Staff Update, pp. 15-16
- New Bibliographies, p. 18
- New Serials, pp. 18-19
- Publications Exchange, pp. 19-20
- Agriculture Datebook, pp. 20-21

...and more





photo: K. Russell  
Jan Olsen, United States of America, Keynote Speaker of the IAALD World Congress, here puts a question to another speaker.

speakers reflected a broad range of concerns in both developing and developed countries. Keynote speaker Jan Olsen of Cornell University challenged attendees to envision an electronic library in which the fundamental purpose would remain the same—connecting the user with the records of society—but in which the computer workstation would be the key access place and information in electronic form would be integrated seamlessly with other information resources. The location of information resources—whether bibliographic, full text, numeric/statistical, or a combination—should be of no concern to the user. Olsen also identified four significant issues. First, whether or not to

mount large databases locally; the absolute cost is high but ultimately the cost per search will be less than with other options. Second, there is and will continue to be a great proliferation of numeric and textual databases; presently most government agencies have no policy on distribution of electronic information. Third, there is a great need to develop effective interfaces between users and information for both retrieval and presentation. Finally, it is critical that users have an adequate level of information literacy. The dominant technology is now the computer which is used to locate, retrieve, generate, and manipulate resources. Success in this enterprise is very important to the world agricultural community, according to Olsen, because information is a strategic commodity in the global economy and the quality of information is directly related to wealth and progress.

Thirty-five contributed papers were presented during the four topical sessions of the conference, from which the following examples are taken. The first session emphasized "Information for the farmer, advisory services, scientist, educator and enterprises." Marianne van Boven, Library of the Agricultural University (Netherlands), described results of a survey evaluating end-user response to AGRICOLA CD ROM and Current Contents on Diskette. She found that 1) 33% of users had never used the print counterpart; 2) of those who had used the print version, no one found the CD ROM more difficult to use; and 3) users and staff were enthusiastic about the electronic products. In another paper, Dr. Ali Anwar Chaudhry, International Center for Mountain Development (Nepal), described his special outreach program to extension workers and mountain farmers with a focus on practical materials for environments with immediate development potential.

Session 2 on the "Present status and role of intermediaries" included seventeen papers. Among several fine papers was that of Sumangala Pillai, Agricultural University of Malaysia, who made a strong case for intermediaries such

as editors, journalists, librarians, and extension agents to take an active role as "idea distillers" to link the scientist and the layman. As an example she stressed the role of policy makers who are making decisions about science but who generally do not have adequate scientific expertise. John Beecher, North Dakota State University, described the recently formed United States Agricultural Information Network (USAIN) and its efforts to provide a national forum through which agricultural librarians can address critical issues related to the collection, access, and delivery of agricultural information. Dr. Csaba Gallyas, publisher of agricultural books (Hungary), provided an insight into the changing nature of publishing in Hungary. Since 1986 the number of publishers in Hungary has risen from 20 to 400 and at the same time the state has practically stopped subsidizing the publishing of agricultural books. State-of-the-art sci/tech books, which are expensive and have a small market, face an uncertain future which must be resolved with the help of libraries. Other more practical or popular materials which are less expensive to produce and have large markets will be the mainstay of publishers.

Another paper demonstrating changes in East-West relations was that of Colin Ogbourne, CAB International, who described agreements between CABI and both AGROINFORM (in the Hungarian Ministry of Agriculture) and VNIITEI Agroprom of the Soviet Union to provide English abstracts of their publications for inclusion in the CABI database. In addition, the Soviet Union is preparing review articles in English of Soviet publications. Cooperation was also the major theme of Sarah Thomas, National Agricultural Library, in a paper reporting on the joint efforts of AGRIS, CABI, NAL, CGIAR, CTA, and Eurolog to build a detailed, comprehensive, multilingual, classified thesaurus for agriculture. This would not only enhance user access to agricultural information but would reduce duplicative efforts among information providers. It was also proposed that an intelligent front-end system be designed to facilitate access to different databases.

Session 3 addressed concerns relating to "Information

Facing Page: Speakers and Audience Participants at the IAALD World Congress (left to right, top to bottom); First Row: Lorraine Mutewera, Zimbabwe; Marianne C. A. van Boven, The Netherlands; Anwar Ali Chaudhry, Nepal; Marie-Jeanne Mouchet-Rougelot, France; Anton Mangstl, Federal Republic of Germany. Second Row: Ton Dato Isahak Ailin, Malaysia; Wilfried Lang, Austria; Inger Mathiesen, Denmark; Éva Herpay, Hungary—Chair, Organizing Committee for this World Congress; Sumangala Pillai, Malaysia. Third Row: Maria-Josée Jehl, The Netherlands; Qiaoqiao Zhang, People's Republic of China; John W. Beecher, United States of America; Wilfried Lang, Austria; Wolfrudolf Laux, Federal Republic of Germany. Fourth Row: Csaba Gallyas, Hungary; Jan van der Burg, The Netherlands; John Metcalfe, United Kingdom; Meissa Dieng, Senegal; Marie-Josée Jehl, The Netherlands. Fifth Row: Mohamed A. Alimi, Yemen; Apolena Rubinkova, Belgium; Jane S. Johnson, United States of America; Ghislaine Poitevien, Costa Rica; Peter Walton, Fiji. Photos by Keith Russell, NAL.







photo: K. Russell

Ernest J. Mann, who has just completed a 10-year term as President of IAALD, was voted a life-time honorary membership.



photo: K. Russell

Joseph H. Howard, was elected President of IAALD for a 5-year term.



photo: K. Russell

József Vágó, Director General of AGRO-INFORM, Budapest, Hungary, which hosted the IAALD World Congress.

supply in developing countries." International development projects increasingly provide for information management components and documentation centers. Barbara Hutchinson, University of Arizona, provided an overview of the challenges, requirements and adjustments necessary to create or enhance such centers under widely varying levels of information infrastructure. In a related paper, Keith Russell, National Agricultural Library, put forward the information center concept as a fundraising and marketing tool for information organizations in developing countries. Such centers may facilitate fundraising, enhance services, and increase the visibility of the organization.

"Information on CD ROM" was the theme of the final conference session. M. L. Morton, Agriculture Canada, addressed a major concern of all libraries, the need to maintain and update the skills of professional staff in a rapidly changing and varied technological environment. Maintaining service standards and compatibility of data, as well as coordinating different levels of training were viewed as key components of a training program. Pamela Andre, National Agricultural Library, reviewed a variety of projects currently underway at NAL using optical technology to provide information to the end user. For example, the National Agricultural Text Digitizing Project being conducted in cooperation with 45 land grant libraries provides access to both full text and graphic information. Effectiveness, cost, image standards, user interface, and long-term storage are critical issues under review.

The General Assembly meeting was marked by a lively interchange among attendees. Of eleven items on the agenda, two were particularly notable. First, Jane Johnson announced that the *World Directory of Agricultural Information Resource Centers* had just been published. This monumental reference source should be a welcome addition to agricultural libraries throughout the world. Editors Carol Boast, John Beecher, Rita Fisher, Jane Johnson and Julia Peterson were offered special thanks and a round of applause in recognition of their tireless efforts in preparing this directory. A second major achievement was the approval of a revised constitution. John Metcalfe did an excellent job of

leading discussion and explaining the various changes. Of particular interest is the change of name to the International Association of Agricultural Information Specialists which more appropriately describes the wide range of professional activities which the organization supports. However, IAALD will remain the official acronym. A spirited discussion concerning languages resulted in the adoption of revised wording which states that "while the language of the organization is primarily English, the Executive Committee will make every effort to encourage the use of other languages, funds and expertise permitting."

In the closing session of the Congress incoming president Joseph Howard shared his assessment of the basic changes now taking place and the challenges which librarians and information specialists now face. Howard identified basic changes in three areas which affect all libraries: first, the empowering of the end-user; second, the availability of resources at a single workstation—whether text, numeric or graphic information; and third, the need for libraries to be

Facing Page: Speakers and Audience Participants at the IAALD World Congress (left to right, top to bottom); First Row: J. H. W. van Hartevelt, The Netherlands; Barbara Hutchinson, United States of America; Keith Russell, United States of America; Kaiyang Li, People's Republic of China; Wallace C. Olsen, United States of America. Second Row: Margaret L. Morton, Canada; Pamela Q. J. Andre, United States of America; Eleanor Frierson, United States of America; L. O. Aina, Botswana; Douglas Jones, United States of America; Third Row: Michael Scholz, Federal Republic of Germany; Colin P. Ogbourne, United Kingdom; Sarah E. Thomas, United States of America; Samuel Demas, United States of America; Tibor Bártai, Hungary. Fourth Row: Tom Norton, United Kingdom; Marina Barile-Frias, Philippines. Fifth Row: Jelena Boechina, Soviet Union; Salim Agha Syed, Malaysia; and the Hotel Agro, site of the IAALD World Congress in Budapest, Hungary.

(First 3 photos by Doug Jones; remainder by Keith Russell.)







proactive, seeking out users and making themselves known. As these changes are occurring we must continue to provide basic, traditional services.

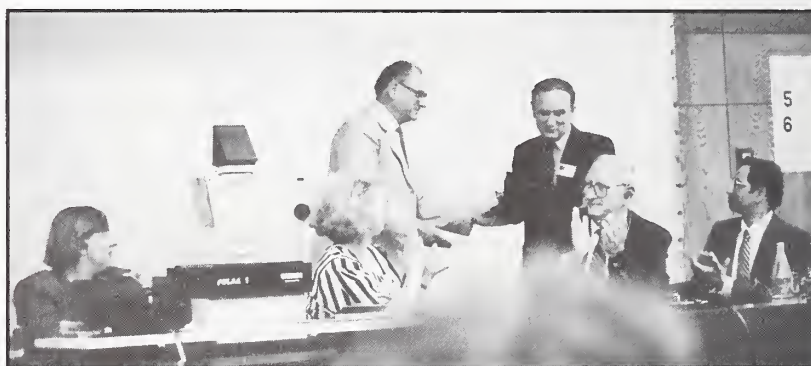
The challenges to IAALD are many, continued Howard. Getting information to the user remains a paramount concern. There is a need to improve IAALD's relationship with other organizations. Improved bibliographic control is critical and, for example, efforts to enhance the AGRIS database are an important concern. Work toward a multi-lingual, comprehensive, agricultural thesaurus must be actively pursued. Improved document delivery continues to be a basic challenge needing renewed attention, and the newly published *International Union List of Agricultural Serials* should be an important aid. Training is an important concern, especially the question of whether IAALD should take a more active role. Translation, whether of both books and journals or of presentations at IAALD meetings, is clearly an significant issue. Finally, new technologies are challenging librarians on the one hand while the preservation of older materials presents some of the most difficult problems on the other.

Howard concluded his remarks by issuing challenges directly to IAALD members: 1) Identify issues; 2) Develop priorities; 3) Recommend solutions; 4) Volunteer to help; and 5) Recruit a new member, preferably find a friend in a developing country to help with IAALD.



photo: K. Russell

Four of the authors of *Agricultural Information Resource Centers, A World Directory 1990*, present a copy to Dr. Ernest Mann, to whom this work published by IAALD is dedicated. (L-R) Jane S. Johnson, Julia C. Peterson, Rita C. Fisher, John W. Beecher, and Ernest Mann. The fifth author, Carol Boast, was not present at the World Congress.



photos: K. Russell

(Above) Dr. Ernest Mann, of the United Kingdom and President of IAALD (standing left), and Dr. József Vágó, Director General of AGROINFORM, Budapest, Hungary, greet each other while panelists Dr. Sarah E. Thomas, USA, Dr. Éva Herpay, Hungary, President-elect Joseph H. Howard, USA, and Dr. Salim Agha Syed, Malaysia, applaud.

(Below) Members of the Hungarian Organizing Committee which arranged and managed the IAALD World Congress. Antoinette P. Powell, USA, sits behind them.

(Below left) Patricia Klosky, USA, and others enjoy the IAALD banquet.





# NAL at American Library Association Annual Conference, Chicago, June 1990



photos: J. Swab

(Above) Susan Whitmore (left), Head of NAL's D.C. Reference Center, demonstrates the Library's CD-ROM products.



(Below) Wayne Olson (right), NAL Reference Librarian, and Ellen Nollman (center), NAL Cataloger, and Albert Joy (left), University of Vermont, discuss the Acid Rain disk, which contains full texts of documents and articles on acid rain in digital form which were scanned as a part of the National Agricultural Text-Digitizing Project.

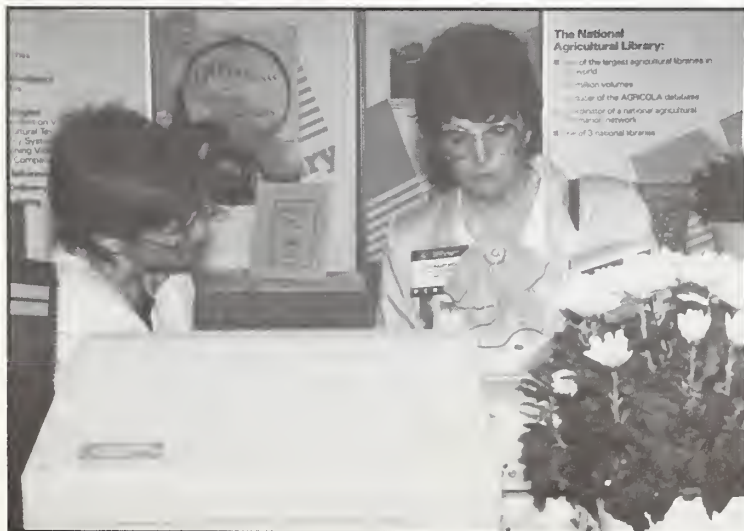
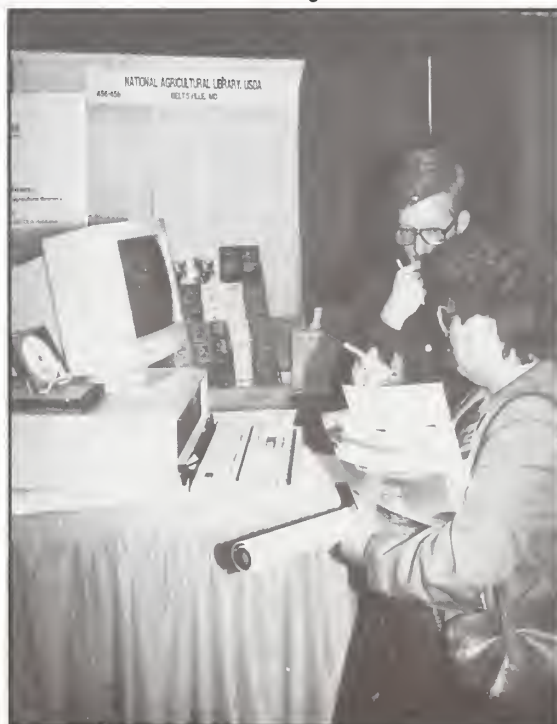


(Bottom) Susan Whitmore demonstrates the Library's electronic bulletin board, ALF (Agricultural Library Forum) to Lois Radford, University of South Florida.

(Above) Susan Whitmore, NAL, demonstrates disks from the National Agricultural Text-Digitizing Project to Frederick Getze, University of Delaware.

photos: J. Swab

(Below) Wayne Olson, NAL, demonstrates the "National CD-ROM Sampler: An Extension Reference Library." This disk contains more than 12,000 documents (over 50,000 pages), 1,500 graphics, 50 computer programs, and 14 minutes of audio on rural and agricultural information.



# USAIN Update

by Sarah E. Thomas  
Associate Director for Technical  
Services, NAL

The United States Agricultural Information Network has had an active spring and summer. USAIN President John Beecher delivered a paper on USAIN and its objectives at the IAALD (International Association of Agricultural Information Specialists) conference in Budapest in May. In early June, Sarah Thomas, Associate Director for Technical Services at NAL and the Library's USAIN Liaison, met informally with librarians attending the Special Libraries Association conference in Pittsburgh. Ballots were mailed in May to USAIN's 174 individual and 40 institutional members, resulting in the election of seven individuals to the USAIN Executive Council.

Those elected as institutional representatives from land-grant universities are Elaine Albright, Director of Libraries, University of Maine; Susan Nutter, Director, D. H. Hill Library, North Carolina State University; and Marilyn Sharrow, University Librarian, University of California at Davis. Other institutional representatives are Eleanor Frierson, Information Technology Officer, CGIAR Secretariat, Washington, DC, and Julia Peterson, Manager, Cargill Information Center, Minneapolis, MN. Successful candidates in the individual-at-large category were Douglas Jones, Assistant Head, Science-Engineering Library, University of Arizona, and Eleanor Mathews, Head, Reference Department, Iowa State University. Mathews, Nutter, Peterson, and Sharrow were elected for two-year terms; others elected will serve for one year. According to USAIN bylaws, the

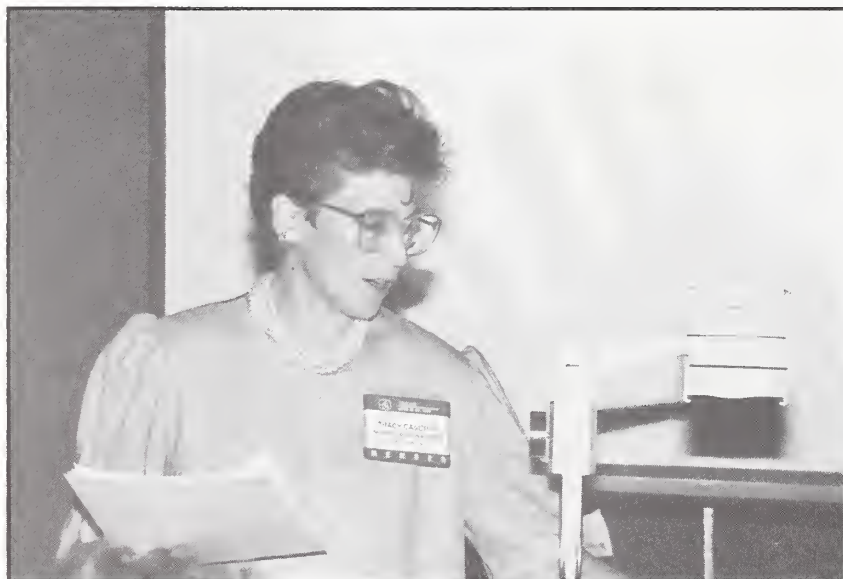


Participants at the United States Agricultural Information Network (USAIN) meeting held at the American Library Association annual conference in Chicago, June 1990. photos: J. Swab

seven councilors elect a president and secretary/treasurer from the group. On July 16, the Council elected Julia Peterson as President and Douglas Jones as Secretary/Treasurer.

At ALA in Chicago on June 25, the outgoing USAIN officers and the nominees for office met, and on Tuesday, June 26, a general meeting for members was held. John Beecher, USAIN president, announced the results of the elections and appointments of USAIN committee chairpersons. Joseph Howard, Director, NAL, reported on the May 1990 IAALD conference in Budapest. Howard, IAALD's new president, anticipates strengthening international collaboration among agricultural information professionals and plans to initiate activities of interest to both USAIN and IAALD members.

USAIN's Telecommunications and Networking Committee is chaired by Nancy Eaton, Dean of Library Services,



Tracy Casorso of North Carolina State University reports on Phase III of the National Agricultural Text-Digitizing Project, which is concerned with transmission of digital images over communications networks.



Dr. Sarah E. Thomas, Associate Director for Technical Services, NAL, reports on division activities.





(Above) Additional participants at the USAIN meeting. (Right) NAL Director Joseph H. Howard reports on NAL initiatives and on the IALALD World Congress in Budapest, Hungary, May 1990. (Bottom) Pam Andre, Associate Director for Automation, NAL, reports on cooperative projects. John Beecher (left), USAIN President, chaired the meeting.

plications of agricultural information products. In addition, there will be an opportunity for interest groups to convene on such topics as document delivery, cataloging, and AGRICOLA. Carol Boast, Agricultural Librarian, University of Illinois, is in charge of local arrangements. Details on registration were sent to USAIN members in August. The program of the meeting and registration information were published in the June/July/August 1990 issue of *Agricultural Libraries Information Notes (ALIN)*, Vol. 16, Nos 6/7/8, pages 10-11. Persons wishing to know more about the program and registration should contact:

Phyllis Bickerton, Secretary  
Technical Services Division, Room 100  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, Maryland 20705.



Iowa State University. A subgroup of that committee consists of representatives of institutions participating in the National Agricultural Text Digitizing Program (NATDP). Tracy Casorso, of North Carolina State University (NCSU), gave a presentation on Phase III of the NATDP in which digital images are being transmitted across the Internet between NAL and NCSU. NAL will attempt to satisfy document delivery requests for non-copyrighted materials by transmitting the digitized image to NCSU for eventual display on the researcher's Macintosh workstation. The evaluation project has demonstrated the superiority of digital image to facsimile transmission; the feasibility of use of the internet for this type of digital communication; and the power of standards in facilitating communication between different environments, in this case, communication between DOS-based and Apple systems.

On November 7-9, 1990, USAIN will hold its first program meeting at the University of Illinois. The Program Planning committee consists of Joe Boykin, Director of Libraries, Clemson University Library; Beverlee French, Assistant University Librarian, University of California at Davis; and Julia Peterson, Cargill Information Center. Plans for the fall program include a keynote address by Bob Bergland, former Secretary of Agriculture, and current Executive Vice-President of the National Rural Electric Cooperative Association; a panel discussion on the reference process in agribusiness; a presentation on the mounting and use of agricultural data tapes in a statewide university network; a review of the Extension CD-ROM sampler; and exhibits of new technology ap-



# Capitol Columns Dedicated at National Arboretum



On June 14, Flag Day, Secretary of Agriculture Clayton Yeutter dedicated the new display of 22 columns that once graced the East Portico of the U.S. Capitol and now stand in the Great Meadow at the National Arboretum.

The columns, replaced in 1958 and abandoned, "are part of Washington's and the nation's history," Yeutter said. "The National Arboretum now provides a permanent home for the columns. It has been a long-term objective of the Arboretum's advisory council to include an historic artifact here to honor Arboretum's role in the Nation's Capitol."

The National Arboretum is part of the Agricultural Research Service, the U.S. Department of Agriculture's chief science agency, and is a world class center for research in woody landscape plants.

Arboretum Director H. Marc Cathey pointed out that architecture and landscaping historically have always been related. "The Capitol columns, in their new setting on a hill with a fountain and reflecting pool, reflect the simplest and earliest type of landscaping," he said.

Funding for moving and erecting the 10-

ton Corinthian columns, which were originally quarried from Virginia sandstone, was privately raised.



The Capitol Columns at the U.S. National Arboretum were dedicated on June 14, 1990 by The Honorable Clayton Yeutter, Secretary of Agriculture (at the podium), and (L-R) Mr. Walter M. Morgan, Jr., President, Friends of the U.S. National Arboretum; Mrs. Edward L. Rea, Chairman, Capitol Columns Project; Dr. H. Marc Cathey, Director, U.S. National Arboretum; The Honorable Lindy Boggs, Chairman, U.S. House of Representatives, Bicentenary Commission; The Honorable Jamie L. Whitten, Chairman, U.S. House of Representatives Appropriations Committee; and Mrs. Jeanne Yeutter.

Photos: J. Swab





photo: J. Swab

The Honorable Clayton Yeutter, Secretary of Agriculture gives the keynote address dedicating the Capitol Columns.

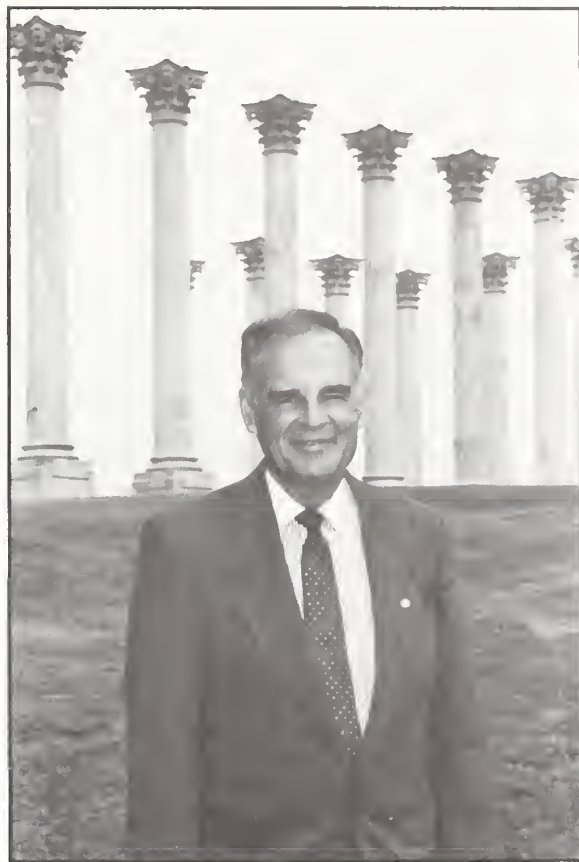


photo: J. Swab

Dr. H. Marc Cathey, Director of the U. S. National Arboretum stands on the hillside below the Capitol Columns.

From 1826, incoming presidents swore their oaths of office in front of these columns when they stood on the East

Portico until the ceremony was moved to the West Front. But in 1958, the columns began to deteriorate from exposure,



The speakers at the Capitol Columns dedication (L-R) Dr. H. Marc Cathey, Director, U.S. National Arboretum; The Honorable Lindy Boggs, Chairman, U.S. House of Representatives, Bicentenary Commission; Mrs. Jeanne Yeutter; The Honorable Clayton Yeutter, Secretary of Agriculture; Mrs. Edward L. Rea, Chairman, Capitol Columns Project; The Honorable Jamie L. Whitten, Chairman, U.S. House of Representatives Appropriations Committee; and Mr. Walter M. Morgan, Jr., President, Friends of the U.S. National Arboretum.

Photo : J. Swab

and were replaced with white marble ones. The columns lay abandoned outside the Capitol Power Plant for 15 years. In 1973, they were trucked to the banks of the Anacostia River near the U.S. Botanical Garden's nursery and left to sink into the mud. Plans were made, remade, and scuttled again for the disposition of the hand-carved columns until they ended up nearly forgotten in the mud.

However, Mrs. George Garret, an honorary member of the Friends of the National Arboretum (FONA), campaigned for more than 20 years for the columns to be put on public display at the Arboretum. The columns had too much historical value to "let the sun, wind, and rain erode them away or to have them carved up for souvenirs," said FONA president-emeritus Mrs. Betty Rea. FONA raised the money to move the columns to the Arboretum. The late Russell Page, a renowned British garden designer, and EDAA, Inc., an international landscape architecture firm, designed the display.

The Capitol Columns now form part of

an acropolis at the top of the Great Meadow of the Arboretum. They duplicate the pattern the columns held on the East Front. The ground is paved with 500 marble slabs, each more than 200 years old, that formed the steps to the Senate side of the Capitol until they were removed in 1956. From the base of the columns, a freestanding fountain flows down to a reflecting pool.

## East Front Columns of the United States Capitol at the United States National Arboretum

In 1958 the east central portico of the United States Capitol was carefully dismantled to make way for a marble clad addition. First proposed in 1864, the addition was considered necessary to correct the illusion that the vast cast iron dome of the Capitol was inadequately supported. Pieces of the original portico—column shafts, capitals, bases, pedestals, etc—were placed in “storage” at the Capitol Power Plant and later removed to Poplar Point Nursery, a facility associated with the Botanic Garden that is operated by the Architect of the Capitol. The columns remained in storage until 1984 when they were transferred to the Department of Agriculture for display at the National Arboretum. Under the leadership of Mrs. George A. Garrett, the transfer was fostered by the Friends of the U.S. National Arboretum which raised private funds to finance the removal and reuse of these historic columns. Noted landscape architect Russell Page, a personal friend of Mrs. Garrett, selected the site and designed the new, nearly square configuration enhanced by a fountain, water stair and reflecting pool. After Page’s death in 1985, the design firm



photo: J. Swab

The Honorable Jamie L. Whitten, Chairman, U.S. House of Representatives Appropriations Committee, and a supporter of the National Agricultural Library, was recently honored at the First Annual Patron Dinner of the Associates of the National Agricultural Library in recognition of his lifetime commitment to agricultural research and education.

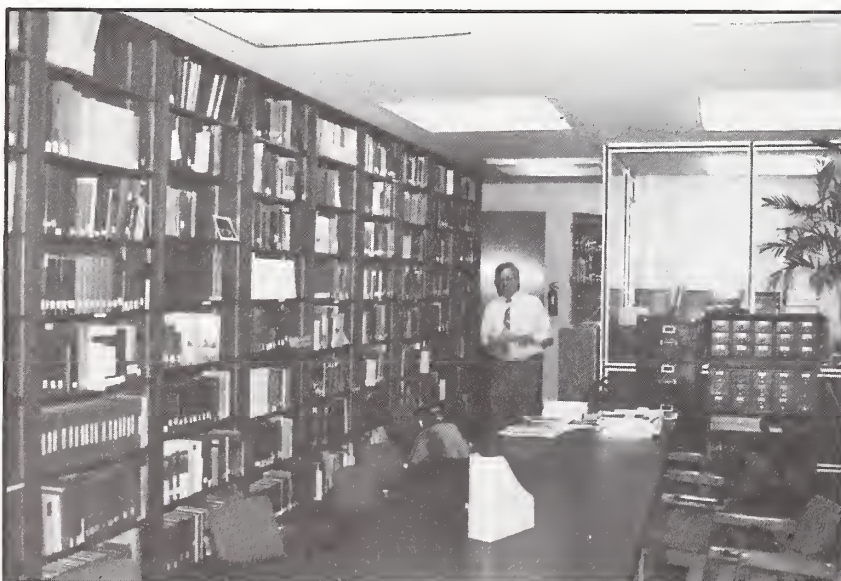


photo: J. Swab

The Library of the National Arboretum is a branch of the National Agricultural Library. It serves primarily the scientists and researchers who staff the Arboretum. Robert Anderson of NAL’s Reference and User Services Branch, serves as the Arboretum Librarian part-time.

EDAW, Inc., oversaw the landscaping aspect of the project. Dedicated on June 14, 1990, the Capitol columns at the Arboretum are one of Washington’s most memorable sights, its newest landmark.

On display at the National Arboretum are 22 of the original 24 columns that once formed the east central portico of the Capitol. The original design of the Capitol, prepared by Dr. William Thornton in 1793, called for only 12 columns for the portico. Subsequently, this number was doubled to 24 by architect B. Henry Latrobe who redesigned the portico in about 1806. By the time the portico was begun in 1824, the works were directed by yet another architect, Charles Bulfinch, who completed it in 1826.

Neither Thornton, Latrobe nor Bulfinch may be credited with the design of the noble Corinthian columns used in building the portico. The design was derived from Sir William Chamber’s *Treatise on Civil Architecture*, first published in London in





photo: J. Swab

On a hill opposite the Capitol Columns across the Great Meadow stands this capital and base of one of the two columns which could not be used in the principal setting. One can clearly see the ornate beauty of the capitals.

1759. Chambers, in turn, had more or less copied the design from a sixteenth-century Italian publication on the orders of ancient Roman architecture that combine in its Corinthian order the best features of two examples surviving from antiquity: the Temple of Jupiter Stator and the Pantheon. By this roundabout route it may be said that the Corinthian columns now displayed at the U.S. National Arboretum were designed in ancient Rome, refined by the Italian Renaissance and brought to America in an English book.

The quarry that supplied the sandstone for the columns, and indeed for most of the stone for the Capitol and White House, was located on a government owned island in Aquia Creek, Virginia, forty miles down river from Washington. When the stones for the columns arrived at the wharf at the foot of Capitol Hill, there was great excitement and merriment. One eyewitness wrote:

They are taken from the wharf, without aid of horses, upon a strong carriage, with a hundred men pulling. Sometimes the

members of Congress will turn out in the evening to assist 'the big wagon' and join in all the pleasantry to which the novelty gives rise. When the columns arrive at the Capitol, it is cheered by loud huzzas...[among the workmen] there are perhaps not a half dozen sober men. They drank scute (as they called whiskey) on the job. When the day's work is ended, they hie to the grog shops and taverns to spend their earnings.

Two highly skilled men were in charge of the stonework at the Capitol. George Blagden, an Englishman, was foreman of the cutting shop while Giovanni Andrei, a native of Italy, was head of the carving department. Blocks of sandstone were prepared by Blagden's men before being carved. One Corinthian capital required about six months in the hands of a single carver who was paid \$250 for his skill and labor. Stone cutters were paid \$1.37 1/2 per day in summer but had their wages reduced to \$1.25 during the shorter days of winter. During construction of the portico, cutters were mainly employed to transform huge rough blocks of stone into perfectly smooth column shafts. Together the carvers and cutters brought the east portico to completion in 1826.

Until it was dismantled in 1958, the east portico was the setting for most presidential inaugurations beginning with Andrew Jackson on March 4, 1829. It was also the scene of innumerable speeches, demonstrations, protests and rallies, each a thread in a great national fabric. And thanks to the vision and hard work of the Friends of the U.S. National Arboretum, the noble Capitol columns stand together again, a proud testament to a rich heritage.



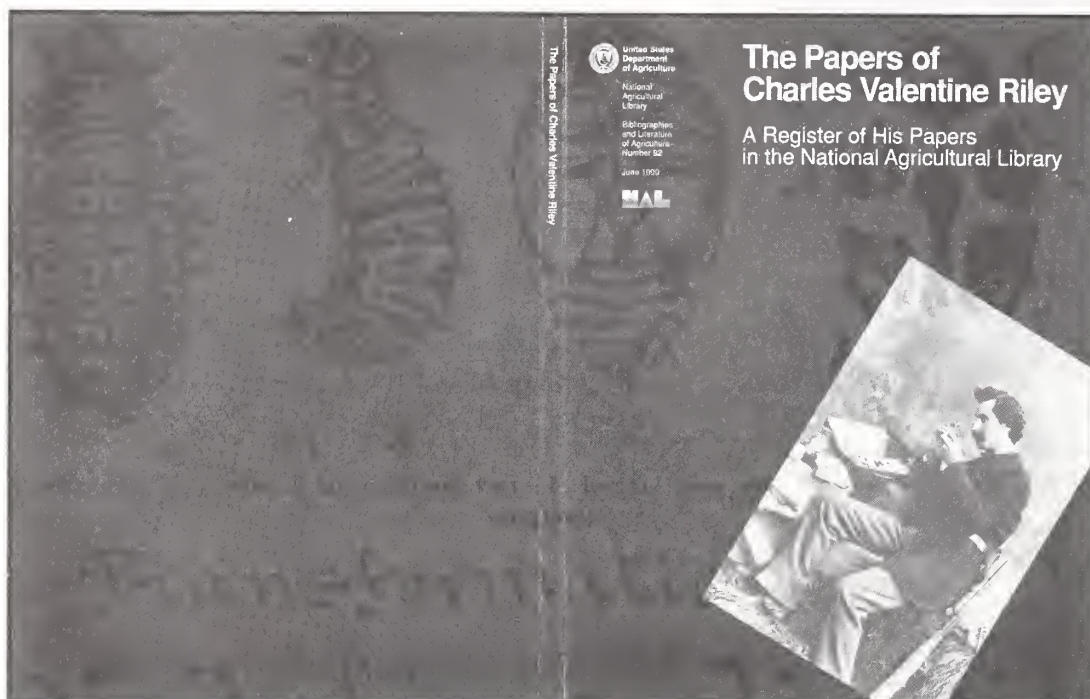
photo: J. Swab

The Capitol Columns and the Great Meadow of the U.S. National Arboretum with the tents set up for the dedication ceremonies on June 14, 1990.



## New Publications of Note

### NAL Publishes Register of Famed Entomologist's Papers



The cover of the register of Riley papers.

The National Agricultural Library has published a register of the papers of noted American entomologist Charles Valentine Riley (1843-1895). Considered by many scientists as the father of modern economic entomology, Riley wrote extensively on the biology of insects in America. He was an accomplished artist as well, and painted and sketched countless insect illustrations.

The register lists Riley papers located at NAL and at 22 other institutions throughout the world. "This is the first time that this information has been made available in one source," according to Judith J. Ho and Willie Yuille, the register's compilers and editors. Ho is an NAL employee and Yuille works for the University of Maryland College of Library Science.

The work, entitled *The Papers of Charles Valentine Riley: A Register of His Papers in the National Agricultural Library*, is Number 92 in USDA's *Bibliographies and Literature of*

*Agriculture* series. To obtain a copy, send a self-addressed label with the request to:

Special Collections, 14th Floor  
Attn: Riley Papers  
National Agricultural Library  
10301 Baltimore Boulevard  
Beltsville, MD 20705

"Even for those not interested in bugs, Riley was a fascinating man," said Dr. Alan Fusonie, Head of Special Collections at NAL. "He was born in London, England, but immigrated to Illinois and lived most of his life in the United States. He was a farm laborer, an agricultural reporter, an artist, an entomologist, and the first chairman of the United States Entomological Commission, popularly called 'the Grasshopper Commission.'"

"He worked to help American pioneer families combat the locust plagues that caused starvation in the northwest territories in the 1870s. And, his productivity as a writer is all but legendary; in his 53 years of life he authored over 2,400 publications."

Fusonie said that the Riley collection at NAL focuses on the history of economic entomology and the development of biological control of insects harmful to crops, and on Riley's energetic efforts related to these areas in the last quarter of the 19th century.

"Riley is also remembered for helping to save the California citrus industry by introducing the Australian Vedalia Beetle to combat scale insects," Fusonie said. "And, he assisted in the rescue of the French wine industry from grape Phylloxera, an insect that destroys grapevine roots. For this, he received the Legion of Honor medal from the French government."

Contained in the collection are Riley's correspondence (including letters from evolutionist Charles Darwin), Riley's unpublished lectures, his drawings, field notes, photographs, newspaper clippings, and other memorabilia. The collection contains ten archival boxes and 320 folders.

"These papers comprise an important collection of a significant nineteenth century figure, whose many contributions still affect modern scientific study and thought," Fusonie said.

— Brian Norris



# NAL Publishes Handbook on Rubber Plants

A handbook identifying and evaluating the economic potentials of natural rubber-producing plants for potential cultivation in the United States has been produced by the Office of Arid Lands Studies of the University of Arizona under a cooperative agreement with the Critical Agricultural Materials Information Center (CAMIC) of the National Agricultural Library (NAL) and the Office of Agricultural Industrial Materials of the Cooperative State Research Service (CSRS), U. S. Department of Agriculture.

*Natural Rubber-Producing Plants for the United States* was written by Janice E. Bowers at the Office of Arid Lands Studies. "This research report was undertaken to inventory rubber-producing plants and to assess their relative importance as potential commercial crops in establishing a domestic natural rubber industry," wrote Daniel Kugler, Acting Director of the Office of Agricultural Industrial Materials, CSRS, in his "Foreword." It is directed to the mission of accelerating "commercialization of non-food, non-feed industrial products from agricultural raw materials, both plant and animal. It is one of many programs which focus on providing U.S. farmers with alternative opportunities to traditional enterprises and practices in a changing domestic and global economy."

Barbara Hutchinson, Director, Arid Lands Information Center, University of Arizona, served as project manager. Jerry Rafats, Coordinator of NAL's Critical Agricultural Materials Information Center, managed NAL's part of the project, including liaison among the partners to the cooperative agreement. Dick Wheaton, recently retired Director of the Office of Agricultural Industrial Materials, CSRS, and his successor as Acting Director, Daniel E. Kugler, managed the CSRS participation.



cover design: Victor Newman

The cover of *Natural Rubber-Producing Plants*....

To obtain a copy of *Natural Rubber-Producing Plants for the United States*, send a self addressed label with the request to:

National Agricultural Library  
Attn: Natural Rubber  
Reference Branch, Room 111  
10301 Baltimore Boulevard  
Beltsville, MD 20705

—Joseph N. Swab



## Staff Update

### DuBois Heads Gift & Exchange

Rae DuBois, a former employee of NAL, rejoined the Library staff on June 4, 1990, to head the Library's Gift and Exchange section of the Acquisitions Branch. Ms. DuBois had spent a year in Reference, 1968-69 and a year in Serials, 1969-70. She earned her M.L.S. at the Library School of the University of Maryland in 1970.

In the intervening years Ms. DuBois did volunteer work in libraries of the Montgomery County schools while raising her children, and, beginning in 1985, worked in biomedical reference and acquisitions at the library of the Walter Reed Army Institute of Research.

When asked what it is like returning after a 20-year absence, Ms. DuBois said, "It's fun and interesting coming back after all these years! People I used to work with are still here." In addition to the pleasure of renewing old friendships and making new ones, she said that she enjoyed getting to work more quickly, having parking space, and working in NAL's pleasant atmosphere.

Ms. DuBois' husband, Dr. D. R. DuBois, is a virologist in charge of viral vaccines in the Department of Biologics Research at the Walter Reed Army Institute. Their son Craig, 19, is a student at James Madison University, Harrisonburg, Virginia, and their daughter, Michelle, 17, is a

(Continued on page 17, column 1, DUBOIS)



photo: J. Swab

Rae DuBois



photo: J. Swab



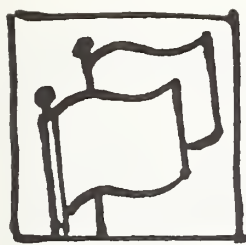
photo: J. Swab

A group from the German Parliament (Bundestag) visited NAL with particular interest in seeing NAL Special Collections and the two laser video disks developed by the Library to store and disseminate photograph collections of the Department of Agriculture, the Forest Service, and the National Agricultural Library. (Above) Ron Young, Library Technician in the Special Collections Section, NAL, shows Rudolf Müller, Bundestag member and Chairman of its Agricultural Committee, and other members of the group the video disk production equipment and methods. (Right) The group after looking at the Rare Books exhibit case behind them: (L-R) Ron Young, NAL; Ms. Weyel; Howard "Bud" Kerr, Director, Office for Small Scale Agriculture (OSSA), USDA; Mr. Bauer, interpreter; Rudolf Müller; Gudrun Weyel, Bundestag member; Lieselott Blunck, Bundestag member; Michael Deckwitz, Agricultural Attaché, German Embassy; and Maria Pisa, Assistant Director for Policy and Planning, NAL.

Dr. Toshihiko Nishio (3rd from left), Director General of the Agriculture, Forestry, and Fisheries Research Council Secretariat, Ministry of Agriculture, Forestry, and Fisheries, Japan, and Dr. K. Higo (3rd from right), Research Coordinator, visited NAL to discuss common agricultural information interests while also visiting the Beltsville Agricultural Research Center. These discussions were led by NAL Director Joseph H. Howard (2nd from left), Maria Pisa, NAL Assistant Director (left), and Phil Dopkowski (right) of the Cooperative State Research Service, USDA. The visit was coordinated by Stephen Hawkins (center) of the Office of International Cooperation and Development, USDA.







## Visitors

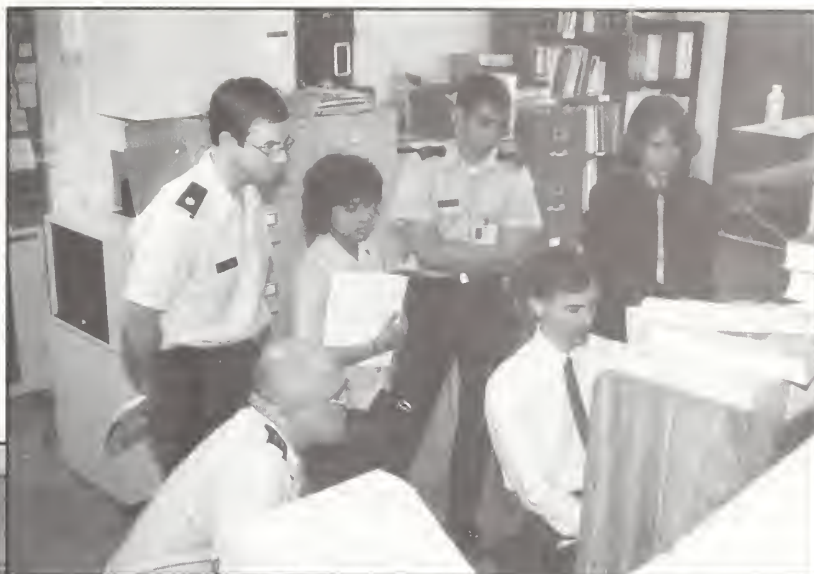


photo: J. Swab

(Above) Kevin Engler (right foreground), Technical Information Specialist with NAL's Animal Welfare Information Center (AWIC), demonstrates and compares the use of AGRICOLA on-line and on CD-ROM for a group of five veterinarians and animal care specialists. These visitors from the Armed Forces Institute of Pathology, Department of Laboratory Animal Medicine, toured AWIC and NAL, and gathered information relative to their specialties. The visit was organized by Sergeant Thomas Smart, who is responsible for personnel training at the Department of Laboratory Medicine.



photo: J. Swab

(Above) Susan Chapman (standing right), Librarian in NAL's Document Delivery Services Branch, discusses NAL services with a group of about thirty faculty members from the Roland Park Country School. The visit also included a tour of the library, demonstrations of the Library's on-line catalog, REGIS—the Regional Information System for African Aquaculture, and the Forest Service Photographs laser video disk.

### (DUBOIS, from page 15)

Senior at Einstein High School, Wheaton, Maryland.

Ms. DuBois enjoys riding and fishing during the summer at her father's home in Arizona. She also enjoys traveling and is planning a family trip to the Virgin Islands.

— Joseph N. Swab

## In Memoriam Robert Rodale

It is with much sadness that the staff of NAL learned of the death of Mr. Robert Rodale on September 20th in Moscow, USSR. Mr. Rodale was killed in a car accident on the way to an airport. He was visiting the Soviet Union to set up a Russian-language edition of *The New Farm*, a publication of the Rodale Press. This and other publications of the Rodale publishing empire was devoted to alternative or regenerative agriculture. This approach to farming emphasizes reducing reliance on chemicals, saving and rebuilding soils, using organic fertilizers, and employing natural enemies of pests and unwanted plants. The Russian publisher of the new venture was also killed in the accident.

Mr. Rodale was one of the subjects of the feature article on oral histories in the June/July/August issue of *ALIN*. Entitled "NAL Videotapes Farming Experts for Posterity," the article described oral history interviews of Mr. Rodale and others by NAL's Alternative Farming Systems Information Center staff. We all join in expressing our sincere sympathy to the Rodale family and friends.



## New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all *QB*'s include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

Reference Branch, Room 111  
National Agricultural Library  
Beltsville, MD 20705

## Quick Bibliographies

**Q.B.—90-79.** Alternative Farming Systems - Economic Aspects, January 1986-May 1990. 337 citations; languages: None excluded. Prepared by Karl Schneider. August 1990.

**Q.B.—90-80.** Nutrition Education Printed Materials and Audiovisuals: Grades 7-12, January 1979-May 1990. 203 citations; languages: English only. Prepared by Shirley King Evans. September 1990. Updates 89-80.

**Q.B.—90-81.** Nutrition Education Printed Materials and Audiovisuals: Grades Preschool-6, January 1979-May 1990. 327 citations; languages: English only. Prepared by Shirley King Evans. September 1990. Updates 89-79.

**Q.B.—90-82.** Beekeeping in the United States, January 1979-June 1990. 230 citations; languages: English only. Prepared by Carol Kopolow. September 1990. Updates 89-11.

**Q.B.—90-83.** Expert Systems and Computer Aids to Decision-Making, January 1987-May 1990. 315 citations; languages: None excluded. Prepared by Karl Schneider. September 1990. Updates 87-30.

**Q.B.—90-84.** Rural Industrialization, January 1979-March 1990. 185 citations; languages: English only. Prepared by Patricia LaCaille John. September 1990.

**Q.B.—90-85.** Rural Education, January 1979-March 1990. 108 citations; languages: English only. Prepared by Patricia LaCaille John. September 1990.

**Q.B.—90-86.** Poverty in Rural America, January 1979-March 1990. 162 citations; languages: English only. Prepared by Patricia LaCaille John. September 1990.

**Q.B.—90-87.** Health Care in Rural America, January 1979-March 1990. 218 citations; languages: English only. Prepared by Patricia LaCaille John. September 1990.

**Q.B.—90-88.** Rural Entrepreneurship and Small Business Development, January 1979-March 1990. 139 citations; languages: English only. Prepared by Patricia LaCaille John. September 1990.

## Special Reference Briefs

**SRB—90-12.** The LD50 (Median Lethal Dose) and LC50 (Median Lethal Concentration) Toxicity Tests, January 1980-August 1990. Prepared by Karen J. Clinger-man. September 1990.



## New Serials Received at NAL

*Agriviews / Farm Credit Banks of Texas.* Austin, TX: The Banks. Semiannual. Summer 1984-  
**HG2051.U52T43**

*Annual Report / Animal Welfare Institute.* Washington, DC: The Institute. Annual. 1st (1951/52)-  
**HV4701.A556**

*Annual Report / National Advisory Council on Commodity Distribution.* Washington, DC?: The Council. Annual. 1989-  
**aHD9006.N3**

*Atmospheric Environment. Part A, General Topics.* Oxford; New York: Pergamon Press. Monthly. Vol. 24A, no. 1- [c1990]-  
**TD881.A8**

*AVMA Directory.* Schaumburg, IL: Division of Membership and Field Services, American Veterinary Medical Association. Annual. 1984-  
**SF611.A53**

*Computers in Libraries.* Westport, CT: Meckler. Monthly (except for a combined issue in July/Aug.) Vol. 9, no. 1 (Jan. 1989)-  
**Z678.9.A1S53**



*Inside International.* Westminster, CO: International Arabian Horse Association. Bimonthly. Vol. 1, no. 3 (Mar. 1979)-

SF293.A8I52

*International Journal of Andrology.* Copenhagen: Scriptor Publisher ApS. Bimonthly. Vol. 1- (Feb. 1978)-

QP251.I55

*Journal of Veterinary Parasitology / Indian Association for the Advancement of Veterinary Parasitology.* Ranchi, India: The Association. Semiannual. Vol. 1, nos. 1/2 (June-Dec. 1987)-

SF810.A3J6

*Northeast Rural Development Network / Northeast Regional Center for Rural Development.* Ithaca, NY: The Center. Quarterly. [Vol. 1] no. 1 (Sept. 1984)-

HN79.A115N6

*Pteridines.* Berlin; New York: Walter de Gruyter. Four issues per year. Vol. 1, no. 1 (Jan. 1989)-

QP801.P69P73

*Salmon Market Newsletter / A Publication of the International Institute of Fisheries Economics and Trade.* Corvallis, OR: The Institute. Quarterly. Vol. 1, no. 1 (Jan. 1989)-

HD9469.S2S2

*Veterinary and Comparative Orthopaedics and Traumatology: V.C.O.T.* Stuttgart; New York: F.K. Schattauer. Quarterly. Vol. 1, no. 1 (Jan. 25, 1988)-

SF910.5.V4



**Publications  
Exchange**

## Serial Gaps

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We appreciate your donation of the following publications needed to complete collections. If you have questions, call Ruth Finnblade, Gift and Exchange Program, (301) 344-4061.

Send items to:

National Agricultural Library  
Gift and Exchange Program/RF, Room 002G  
10301 Baltimore Boulevard  
Beltsville, MD 20705

*Acta horticultrae.* Nos. 1-3, 76-78, 90, 105, 107, 116, 147, 183-189, 225, 231. Years unknown.

ALIN, Vol. 16, No. 9

*Biochemical and Biophysical Research Communications.* Vol. 113 (1); Vol. 132 (1); Vol. 133 (3); Vol. 145 (3), years unknown.

*Comprehensive Framework Study.* California Region. Main Report Appendixes I-XIX.

*Fungicide and nematicide tests; results.* Vol. 39, 1983; Vol. 42, 1986.

*Hassadeh.* Vol. 57 (10), 1977; Vol. 58 (12), 1978; Vol. 65 (5), 1984.

*Journal of Hydrology.* Vol. 75; Vol. 78 (1-2), year unknown.

*Journal of Immunology.* Vol. 134 (1), 1985.

*Journal of Membrane Biology.* Vol. 83 (2); Vol. 84 (1); Vol. 97 (1); Vol. 100 (3); Vol. 112 (2-3), years unknown.

*Microbiologie, Aliments, Nutrition. Microbiology, Foods and Feeds, Nutrition.* Vol. 5 (1), 1987.

*Pesticides.* Vol. 19 (5-6,11), 1985; Vol. 21 (9-10), 1987; Vol. 22 (8,10), 1988.

*Physiology & Behavior.* Vol. 42 (4), 1988.

*Revue Veterinaire Canadienne.* Vol. 23 (2-3), 1982; Vol. 26 (1), 1985; Vol. 30 (2-3,5,7), 1989.

*Selbyana.* Vol. 8, 1985; Vol. 11-12, 1988-89.

*Soripar.* Vol. 33 (3), 1986.

*Zeitschrift für Mykologie.* Vol. 53 (1); Vol. 54 (1-2), years unknown.

## Surplus Publications

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement.

If interested, please enclose an addressed label with your request and write to:

National Agricultural Library  
Attn: Gift and Exchange/RF, Room 002  
10301 Baltimore Boulevard  
Beltsville, MD 20705

Or call Ruth Finnblade, (301) 344-4061.

*Advances in Enzymology.* Vol. 3-28, 1943-66.

*Advances in Morphogenesis.* Vol. 7-9, 1968-71.

*Cancer Research.* Vol. 37-46, 1977-86.

*Cellular Immunology.* Vol. 28-91, 1977-85; Vol. 97-110, 1986-87.

*Census of Agriculture.* 1959; 1982. Also various issues of 1978 available.

*Crop Science.* Vol. 27-28, 1987-88.

*Immuno-genetics.* Vol. 21-28, 1985-88.

*International Conference on Water Peace.* Vol. 1-8, 1967.

*Journal of Economic Literature.* Vol. 12-18, 1974-80.

*Journal of Experimental Medicine.* Vol. 145-160, 1977-84.

*Journal of General Virology.* Vol. 34-50, 1977-80; Vol. 58-65, 1982-84.

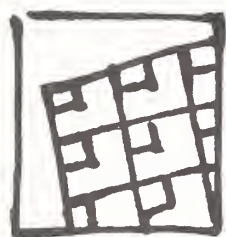
*Journal of the American Veterinary Medicine Association.* Vol. 188-190, 1986-87.

*Journal of the National Cancer Institute.* Vol. 56-80, 1976-88.

*Rangelands.* Vol. 1-10, 1979-88.

*Rangeman's Journal.* Vol. 2-5, 1975-78.

*Virology.* Vol. 156-161, 1987.



## Agriculture Datebook

**October 8-10: Growing Into The 21st Century: International Symposium on Economically and Environmentally Sustainable Agriculture.** Memphis, TN; Omni Memphis Hotel. Contact: NCGA, (202) 546-7611.

**October 9-12: Milax 90, Malaysian International Livestock, Agriculture & Food Technology Exhibition.** Kuala Lumpur, Malaysia; Putra World Trade Centre. Contact: Eileen Lavine, Information Services, Inc., Suite 735, 4733 Bethesda Ave., Bethesda, MD 20814.

**October 11-12: American Society of Agricultural Consultants.** Dallas, TX. Contact: (202) 447-7025 or (202) 447-4623.

**October 14-17: National Frozen Food Association and American Frozen Food Institute Convention.** San Francisco, CA; Hilton Hotel. Contact: NFFA, (717) 543-1601 or AFFI, (703) 821-0770.

**October 14-18: American Association for Laboratory Animal Science (AALAS) Annual Meeting.** Milwaukee, WI. Contact: AALAS, (901) 754-8620.

**October 14-18: American Association of Cereal Chemists Annual Meeting.** Dallas, TX; Loew's Anatole Hotel. Contact: AACC, (612) 454-7250.

**October 14-18: National Association of Meat Purveyors Annual Convention.** Las Vegas, NV; Flamingo Hilton. Contact: NAMP, (703) 827-5754.

**October 16: World Food Day.** Washington, DC. Contact: Patricia Young, (202) 653-2404. USDA/Governmentwide Contact: Marlene Guroff, (202) 447-5197.

**October 16-17: National Plant Genetic Resources Board Meeting.** Contact: Dr. Henry Shands, Rm. 140, Bldg. B-005, Beltsville, MD 20705, (301) 344-3311.

**October 16-18: American Dietetic Assoc.** Denver, CO.

**October 16-19: International Symposium on Ecological Indicators.** Miami Beach, FL. Sponsors: EPA, NOAA, Interior. Contact: Janet McDonald, (919) 781-3150.

**October 18: Fifth European Agrimonetary Conference.** Piccadilly, London, England; Park Lane Hotel. Contact: Agrimoney, Agra Europe (London) Ltd., 25 Frant Rd., Tunbridge Wells, Kent TN2 5JT, England.

**October 18: 16th Annual Agricultural Labor Executive Forum.** Orlando, FL. Contact: (202) 447-4164.

**October 18-19: Delmarva Poultry Industry National Meeting on Poultry Health & Condemnations.** Ocean City, MD; Sheraton Ocean City. Contact: DPI, Inc., R.D. 2, Box 47, Georgetown, DE 19947-9622.

**October 18-21: American Meat Institute Convention.** San Diego, CA; San Diego Marriott Hotel. Contact: AMI, (703) 841-2400.

**October 19-20: Society for International Development - North America.** East Lansing, MI. Contact: Doris Scarlett, MSU, (517) 353-5925.

**October 20-21: Meat Importers Council of America 20th Annual Meeting.** San Diego, CA; San Diego Marriott Hotel. Contact: MICA, (703) 522-1910.

**October 21-26: American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America.** San Antonio, TX. Contact: Jay Poster, American Society of Agronomy, 677 South Segoe Road, Madison, WI 53711. (608) 273-8080.

**October 22: Annual Meeting of the American Society of Agronomy, Society of American Crop Science, and Soil Science Society of America.** San Antonio, TX. Contact: (202) 447-4623.

**October 22-24: Tri-State Poultry Federation Annual Meeting.** Indianapolis, IN; Marriott Hotel. Contact: TSPF, Poultry Science Bg., Purdue U., W. Lafayette, IN 47907.

**October 22-25: Biodiversity and Landscapes, Human Challenges for Conservation in the Changing World - An International Event.** University Park, PA; Pennsylvania State University. Contact: Conference Coordinator, (814) 865-8301.

**October 22-26: International Goat Production Symposium.** Tallahassee, FL; Florida A&M University. USDA Sponsors: CSRS and OICD. Contact: Dr. Claude McGowan, CES, Florida A&M Univ., Room 207, Perry-Paige Building, Tallahassee, FL 32307. (904) 599-3561 or 3546.

**October 23: Veterinary Medical Association.**



Washington, DC. Contact: (202) 447-8885.

**October 23-24: NASA, "Earth Observations & Global Change Decision Making: A National Partnership."** Washington, DC; National Press Club. Contact: Robert H. Rogers, ERIM, (313) 994-1200.

**October 23-25: Cornell Nutrition Conference.** Rochester, NY; Holiday Inn/Genesee Plaza. Contact: Dee Brothers, 272 Morrison Hall, Ithaca, NY 14853-4801.

**October 23-25: USDA Hispanic Employment Program Symposium.** Chula Vista, CA; Radisson Inn National City. Contact: Vionnette Tidwell, OAE, (202) 382-0352.

**October 24: National Conference on Rural Elderly.** Kansas City, MO. Contact: (202) 472-1839.

**October 26: National Challenge Forum.** Washington, DC. Contact: (202) 447-5923.

**October 27-November 5: National Renderers Association Annual Convention.** Tucson, AZ; Lowes Ventana Canyon Resort. Contact: NRA, (202) 857-1136.

**October 28: National Arboretum Advisory Council Meeting.** Washington, DC. Contact: (202) 447-5923.

**October 28-30: American Feed Industry Association Annual Midwest Convention.** Kansas City, MO; Ritz-Carlton Hotel. Contact: AFIA, (703) 524-0810.

**October 28-31: 13th International Seafood Conference.** Budapest, Hungary; Duna InterContinental Hotel. Contact: Robert A. Erkins, ISC, (208) 352-4351.

**October 28-November 1: 11th International Irrigation Exposition & 3rd National Irrigation Symposium.** Phoenix, AZ; Convention Center. Contact: The Irrigation Association, (703) 524-1200 or Jon Hiler, (616) 429-0300.

**October 29: Tri-Annual Southern Region Mid-Management Conference.** Tampa, FL. Contact: (606) 257-4302.

**October 29-31: Seventh Meeting of the Association A. Tessier.** Paris, France. Contact: (202) 447-7025.

**October 29-November 1: USDA Regional Training Conference for Women.** Reno, NV. Contact: Barbara J. Gary, (202) 382-0353.

**October 29-November 2: International Centers Week Meeting of the Consultative Group on International Agricultural Research.** Washington, DC. Contact: CGIAR, 1818 H Street, N.W., Washington, DC 20433. (202) 334-8021.

**October 30-31: Establishing Hazard Analysis Critical Control Point Programs.** Ontario, Canada; Holiday Inn/Toronto Airport. Contact: Food Processors Institute, (202) 393-0890.

**October 30-November 1: NRECA Regional Meeting, Regions VIII and X.** New Orleans, LA; Marriott Hotel. Contact: (202) 382-9540.

**November 1-2: Agricultural Bargaining Legislative Planning Meeting.** San Francisco, CA. Contact: (202) 653-6976.

**November 4-5: American Horticultural Society Meeting.** Tucson, AZ. Contact: (202) 447-5923.

**November 4-7: National Fisheries Institute Convention.** San Francisco, CA. Contact: NFI, (202) 296-3426.

**November 4-9: 87th Annual Meeting of the American Society for Horticultural Science.** Tucson, AZ. Contact: ASHS, 701 Saint Asaph Street, Alexandria, VA 22314-1998. (703) 836-4606.

**November 5: American Horticultural Society Meeting.**

Tucson, AZ. Contact: (202) 447-5923.

**November 5: National Association of Extension 4-H Agents.** White Sulphur Springs, WV. Contact: (202) 447-2908.

**November 5-7: Online 90.** Washington, DC.

**November 7: Agribusiness Marketing Research Conference.** Orlando, FL. Contact: (202) 447-7907.

**November 7: Ninth Annual Agribusiness Issues and Outlook Conference.** Fresno, CA. Contact: (202) 447-4164.

**November 7-11: National Association of Farm Broadcasters Convention.** Kansas City, MO; Westin Crown Center Hotel. Contact: NAFB, (612) 224-0508.

**November 8-10: National Agricultural Research and Extension Users Advisory Board.** Atlanta, GA. Contact: Marshall Tarkington, (202) 447-3684.

**November 8-10: 63rd National Future Farmers of America (FFA) Convention.** Kansas City, MO; Bartle Hall. Contact: FFA, (703) 360-3600.

**November 11-13: National Association of State Universities and Land-Grant Colleges.** Kansas City, MO. Contact: (202) 447-4423.

**November 12: American Bankers Association National Ag Bankers Conference.** Denver, CO. Contact: (202) 447-4623.

**November 13: American Foreign Service Association Conference.** Washington, DC. Contact: (202) 447-4623.

**November 13-14: American Soybean Association Outlook Conference.** London, England; Heathrow Penta Hotel. Contact: ASA, (314) 432-1600.

**November 14: Southern States Cooperative Annual Stockholders Meeting.** Timonium, MD.

**November 26-29: International Association of Fairs and Expositions (IAFE) 100th Annual Convention and Trade Show.** Las Vegas, NV; Bally's Grand Hotel. Contact: (417) 862-5771.

**November 26-29: Outlook '91: USDA's 67th Annual Agriculture Outlook Conference.** Washington, DC. Contact: Ray Bridge, (202) 447-5447.

**November 27-29: Biotech USA '90 Annual Industry Conference & Exhibition.** Washington, DC; Ramada Renaissance Techworld. Contact: Eileen Bodell, Biotech USA, 200 Connecticut Ave., Box 4990, Norwalk, CT 06856-4990.

**November 28: Biosafety Conference.** Kiawah Island, SC. Contact: (202) 447-5923.

**December 2-4: 48th Annual Professional Agricultural Workers Conference.** Tuskegee, AL; Tuskegee University. Theme: "Public and Private Partnership for Rural Development." Contact: PAWC Coordinator, Tuskegee U., Tuskegee, AL 36088. (202) 727-8454.

**December 2-7: 9a Reunión Interamericana de Bibliotecarios y Documentalistas Agrícolas. 9th Inter-American Meeting of Agricultural Librarians and Documentalists (RIBDA).** San José, Costa Rica; Inter-American Institute for Cooperation in Agriculture. Contact: Secretariat AIBDA, P.O.Box 55-2200, Coronado, Costa Rica. Tel.: 29-0222. FAX: 29-4741 or 29-2659. TELEX:2144IICA.

**December 3-6: National Agricultural Aviation Association 24th Annual Convention & Exposition.** Reno, NV; Bally's Resort. Contact: NAAA, (202) 546-5722.



# LIST OF KEY NAL PERSONNEL AND SERVICES

NAL ORGANIZATION	Contact	Area Code 301	DIALCOM*
<b>Director</b>	Joseph Howard	344-4248	AGS3050
Assistant Director for Policy and Planning	Maria Pisa	344-3780	AGS3365
Public Affairs Specialist	Brian Norris	344-3778	AGS3051
Special Services & Communications	Joseph Swab	344-3778	AGS3931
Executive Officer		344-1570	AGS3074
Budget Officer	Paul Bennett	344-1570	
<b>Associate Director for Automation</b>	Pamela Andre	344-3813	AGS3056
Assistant to Assoc. Dir., Automation	Carl Cantrell	344-1875	
Database Administration Branch	Gary McCone	344-3813	AGS3086
Current Awareness Literature Service	Anita Speight	344-3859	AGS3059
OCLC Coordinator	Pamela Mason	344-3813	
Text Digitizing	Judi Zidar	344-3853	AGS3085
Library Automation Branch	Bill Feidt	344-3813	AGS3077
ISIS Coordinator	Roberta Rand	344-3813	
<b>Associate Director for Public Services</b>	Keith Russell	344-3834	AGS3080
Assistant to Assoc. Dir., Public Services	Jerry Rafats, Acting	344-3834	AGS3093
ARS Field Libraries	Peggy Beavers	344-3834	AGS3936
Document Delivery Services Branch	Carol Ditzler	344-3503	AGS3921
Circulation Section (& Interlibrary Loan)	Veronica Lefebvre	344-3755	
INFORMATION & Circulation Desk	NAL Staff	344-3755	
Loan Renewals	NAL Staff	344-3798	
Stack Passes	NAL Staff	344-3755	
NTIS - ILL Billing	Debbie Norsworthy	344-3503	
Regional Document Delivery System	Veronica Lefebvre	344-3503	AGS3082
Interlibrary Borrowing Section	Michael Thompson	344-3715	AGS3081
Translations Program	Michael Thompson	344-1639	AGS3081
Search Section	Julie Mangin	344-3717	
Information Centers Branch	Robyn Frank	344-3719	AGS3067
Agricultural Trade & Marketing I C	Mary Lassanyi	344-3704	AGS3053
Alternative Farming Systems I C	Jayne MacLean	344-3704	AGS3098
Animal Welfare I C	Jean Larson	344-3704	AGS3909
Aquaculture I C	Debbie Hanfman	344-3704	AGS3091
Critical Agricultural Materials I C	Jerry Rafats	344-1204	AGS3093
Family I C	Sandy Facinoli, acting	344-3719	AGS3925
Fiber I C	Sandy Facinoli, acting	344-3719	AGS3925
Food and Nutrition I C	Sandy Facinoli	344-3719	AGS3067
Food Irradiation I C	Sandy Facinoli	344-3719	AGS3067
Horticulture I C	Jayne MacLean	344-3704	AGS3098
Rural Information I C	Patricia John	344-4372	AGS3069
Youth Development I C	Sandy Facinoli, acting	344-3719	AGS3925
Reference & User Services Branch	Leslie Kulp	344-3875	AGS3070
Coordinator of Information Programs	Leslie Kulp, Acting	344-3875	AGS3070
Reference Section	John Forbes, Acting	344-1204	
Reference Desk	Librarian on Duty	344-4479	AGS3099
Grain Dust Project	Sheldon Cheney	344-1204	AGS3910



<b>NAL ORGANIZATION</b>	<b>Contact</b>	<b>Area Code 301</b>	<b>DIALCOM*</b>
Reference & User Services Branch (Continued)			
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Periodicals Reading Room	Patricia Krug	344-1204	
DC Reference Center	Susan Whitmore	(202) 447-3434	AGS3092
D.C. Reference Desk	Librarian on Duty	(202) 447-3434	AGS3092
Arboretum Library	Robert Anderson	344-2062	
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Exhibits Planning & Scheduling	Susan Fugate	344-3779	AGS3366
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Global Change Initiative	Susan Whitmore, acting	(202) 447-3434	AGS3092
Plant Genome Initiative	Janice Kemp, Acting	344-3834	AGS3080
Preservation and Access Program	Robert Butler	344-3875	
Special Collections Program	Alan Fusonie	344-3876	AGS3075
Special Collections Reading Room	NAL Staff	344-3876	
Technology Transfer Information Center	Kathleen Hayes	344-3875	AGS3087
Water Quality Information Center	Janice Kemp	344-4077	
<b>Associate Director for Technical Services</b>	Sarah Thomas	344-0018	AGS3061
Systems Librarian, TSD	Claudia Weston	344-0018	
Acquisitions & Serials Branch	Caroline Early	344-3806	
Collection Development	Caroline Early	344-3806	
Exchange and Gift	Rae DuBois	344-1210	
Monographs and Fiscal	Ellen Pletsch	344-3999	
Serials and Binding	Win Gelenter	344-8573	
Cataloging Branch	Idalia Acosta	344-3728	AGS3071
Indexing Branch	Shirley Edwards	344-3829	AGS3935
Thesaurus Coordinator	Martha Hood	344-3829	AGS3904

<b>OTHER SERVICES</b>	<b>Contact</b>	<b>Area Code 301</b>	<b>DIALCOM*</b>
FAX (All NAL except Document Delivery)		344-5472	
FAX (Document Delivery only)		344-3675	
ALF [NAL's Electronic Bulletin Board]		344-8510	
ALF Systems Operator (voice)	Karl Schneider	344-2113	AGS3913

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provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities.

Joseph N. Swab, Editor.

Idalia Acosta, New Serials Editor.

Ruth Finnblade, Publications Exchange Editor.

Daniel Starr, Photographer.

[(301)-344-3937]



(Left above) Wayne Olsen, Librarian, Reference Section, NAL, and Susan Whitmore, Head, D.C. Reference Center, provide demonstrations and information at the National Agricultural Library's exhibit at the American Library Association Annual Conference in Chicago, June 1990.

(Left) Ted Sibia (left), Head of the Biological/Agricultural Department of the Library of the University of California at Davis, and Richard Sapon-White, Instructor, Science and Technology Division, Cataloging Department, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, visit the NAL exhibit at ALA. For additional information on NAL activities at ALA, see the "USAIN Update" on pages 8-9, and the photo story on page 7.

photos: J.Swab